

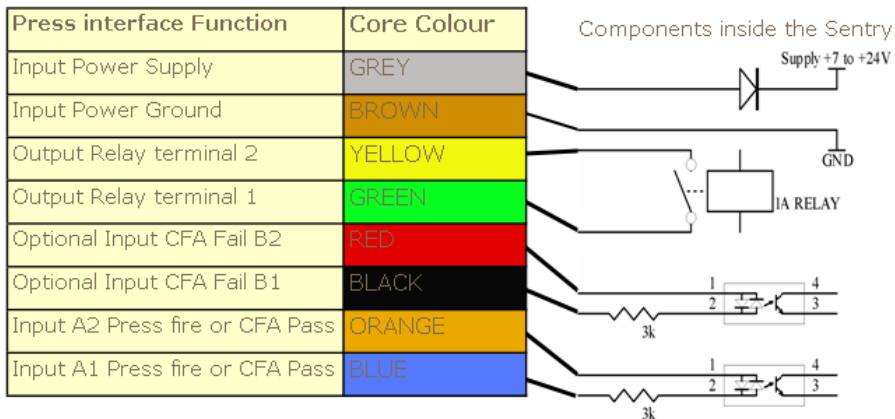
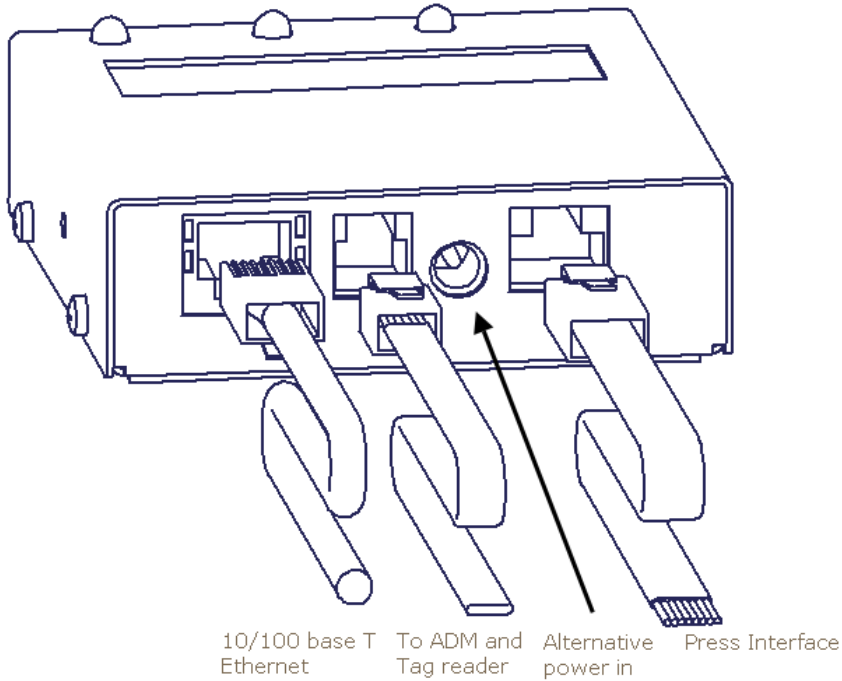
## Tooling Sentry System Installation

Tooling Sentry is a quality management system, built round electronic Sentry modules which attach to crimping presses to enforce the requirements of SO/TS 16949 with respect to maintenance of the consumable parts of crimped terminal application tooling.

### Installation

#### Connection to the press

Sentry is connected to the crimping press by an 8-core cable plugging into the right hand connector at the bottom of the Sentry (when viewed from the front).



## ***Power Supply***

If DC or half-wave rectified AC voltage in the range 7 to 24V is available inside the press, it may be applied to the Grey core, the Brown core provides the ground return.

If it is not possible to use spare power from the press, the alternative power input socket can be used.

It should be supplied through a 2.1mm jack with the centre pin positive. In this case note that the alternative power input is connected to the Grey core inside the Sentry so the Grey core should be insulated inside the press.

## ***Relay Output***

The Yellow and Green cores should be wired to block the press when the relay is open.

## ***Press Fire Input***

A 24V pulse should be applied across the Orange and Blue cores each time the press is fired. This allows the Sentry to count cycles and increment the counters in e-tag ADMs.

The input is a bidirectional LED opto-isolator so polarity of the signal is not important.

Alternatively if a CFA is installed on the press a pass pulse can be applied at the Orange and Blue cores and a fail pulse applied across the Red and Black cores. In this way the total number of cycles is still known to the Sentry but process yield data is also collected.

## ***Connection to Ethernet network***

The Sentry provides a 10/100 base T ethernet port which can be connected to a wired network.

The port has fixed polarity although most network hub hardware provides automatic polarity detection and switching. In many cases a straight-thru cat 5 cable connects successfully to a hub but occasionally, if connecting directly to a PC for example, a cross-over wired cable might be needed. When a successful connection is made the LEDs in the socket will light up.

## ***Connection to the ADM***

The ADM connector should be plugged into the 6 way socket situated between the Ethernet and the 2.1mm power jack. If operator ID tags are being used a T-piece adapter can be plugged in here to provide two 6 way sockets, one for the ADM connector and one for the ID tag holder.

For more information please contact our sales department.  
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